

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROP. FY
QSS Group, Inc.	NAS5- 99124 TASK NO. 284	564-860-10-40-89	00

TASK TITLE: (NTE 80 characters; include Project name)

IRAC Focal Plane Electronic Boards Assembly and Test

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)

Jose M. Florez

DATE

5/23/00

ORG
CODE

564

MAIL
CODE

564

PHONE

301-286-2789

BRANCH HEAD

Robert L. Kasa

DATE

5/23/00

CODE

564

PHONE

301-286-8043

CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)

Robert S. Lehair, Jr.

DATE

5/26/00

CODE

560

PHONE

301-286-6588

FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?

CONTRACTING OFFICER'S QUALITY REP.

DESIGNATED FAM:

(If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)

☐ NO ☒ YES

See for L. Moore
Larry Moore

Ted Ackerson

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:

Date: **MAY 31 2000**

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☐ NO ☐ YES ☒ N/A

Government Furnished Property/Facilities: ☒ NO ☐ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO ☒ YES If yes: ☒ TOTAL ☐ PARTIAL

If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: ☒ NO ☐ YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be 5/31/00.

INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	No. 1	No. 2	No. 3	<input checked="" type="checkbox"/> No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 34,389.

The target fee of this task order is \$ 2,209.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 36,598.

The maximum fee is \$ 3,229.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

ELIZABETH J. AUSTIN
CONTRACTING OFFICER

SIGNATURE OF CONTRACTING OFFICER

DATE

TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

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QSS Group, Inc.	NAS5- 99124	284	

Applicable paragraphs from contract Statement of Work:

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

See page 3

PERFORMANCE SPECIFICATIONS:

See page 3

APPLICABLE DOCUMENTS:

See page 3

TASK END DATE: 7/31/00

MILESTONES/DELIVERABLES AND DATES:

See page 3

PERFORMANCE STANDARDS:

Schedule: On-time delivery of the stated deliverables

Technical: ATR's acceptance of the above

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Jose M. Florez, building 11, room E224

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Task#: **284**

STATEMENT OF WORK:

**Infrared Array Camera (IRAC) Instrument
Flight Warm Electronics Assembly (WEA) SOW
May 20, 2000**

1.0 SCOPE

This task provides support related to the IRAC Warm Electronics Assembly (WEA) covered under Task 232.

The primary requirement of this task is to provide assembly and test support for the Spare Warm Electronics Assembly (WEA) at GSFC.

To fulfill this requirement the contractor shall provide onsite electrical assembly, test, and integration services necessary to test and deliver additional PWA's for the Spare WEA.

1.1.0 REQUIREMENTS

1.1.1 DESIGN

Electrical – No new electrical design is required for this task.

1.2.0 QUANTITIES

The contractor provide three (3) Focal Plane Control Electronics (FPE) Analog boards, and three (3) FPE Control boards for Spare WEA.

1.3.0 TESTING

1.3.1 Electrical Testing

The contractor shall provide onsite assembly and electrical test services at GSFC.

1.3.2 Environmental Testing

There is no requirement for environmental testing of the boards.

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Task#: **284**

1.4.0 APPLICABLE DOCUMENTS (Partial List)

- 1.4.1 GSFC Engineering Drawing Standards Manual, Doc. No. X673-64-IE
- 1.4.2 Applicable GSFC Approved Contractor Procedures
- 1.4.3 IRAC Approved Parts List
- 1.4.4 NASA Workmanship Standards NASA-STD 8739.3 thru NASA-STD 8739.7, NAS5300(3J-1) and NAS5300(3M).
- 1.4.5 System and subsystem requirements identified in the Critical Design Review (CDR) Package
- 1.4.6 IRAC and SIRTf Requirements Documents listed on IRAC WEB Page (<http://instra2.gsfc.nasa.gov:9001>)

1.5.0 STATUS REPORTING REQUIREMENTS

The contractor is required to conduct weekly meetings with the task Technical Monitor and all other relevant GSFC and subcontractor personnel. This meeting shall cover the status of all ongoing activities related to the task including schedule, cost and potential or unresolved problem areas.

1.6.0 QUALITY REQUIREMENTS

QA Requirement for flight hardware:

Appropriate records must be kept at all times with all flight hardware. Work Order Assignments (WOA) shall be issued prior to the performance of flight related work. Documentation shall be kept in accordance with the Configuration Management (CM) system established by the IRAC Project. All fabricated hardware shall meet the requirements of the NASA workmanship Standards in Paragraph 1.4.4.

QA Requirement for non-flight hardware:

Government inspection is not required for non-flight hardware. Quality Assurance workmanship inspections of all non-flight hardware shall be performed by the contractor to best commercial practice.

1.7.0 GOVERNMENT FURNISHED EQUIPMENT (GFE)

- 1.7.1 Applicable documents as requested
- 1.7.2 Equipment, Material, Parts

The GSFC will provide all parts required.

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1.8.0 DELIVERABLES

1.8.1 DESIGN DOCUMENTATION

A complete design package shall be delivered to the IRAC Configuration Manager for each element in the WEA. The package shall consist of the following:

- Disk copy of final board and piece part application design drawings.

- One hard copy of final board and piece part application design drawings.

- Electronic and hard copy documentation of all analyses conducted and the results.

- Final End Item Acceptance Data Package including the as-built Configuration List, the as built Materials and Processes List, the Test Procedure, the WOA Logs and a list of any open items.

- Performance Assurance documentation as required.

1.8.2 HARDWARE

The contractor shall deliver to the Task Monitor according to Section 1.9.0:

- Three (3) FPE Analog boards
- Three (3) FPE Control/DSP boards

Any spare residual unused parts, hardware and equipment shall also be returned to the Task Monitor. All deliverables related to this task shall be made in person to the Task Monitor or his duly appointed representative. This shall be the method of delivery unless explicitly otherwise specified by the Task Monitor.

1.8.3 PARTS

All flight parts will be GFE.

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1.9.0 DELIVERABLES SCHEDULE

1.9.1 DESIGN DOCUMENTATION

A complete documentation package for each of the items identified in Section 1.9.2, as defined in Section 1.8.1, must be delivered to the Task Monitor at the time of final delivery of the Spare WEA to the Project.

1.9.2 HARDWARE

Deliverable

FPE Analog Board S/N 6	3 days after delivery of last part by GSFC
FPE Analog Board S/N 7	3 days after delivery of last part by GSFC
FPE Analog Board S/N 8	3 days after delivery of last part by GSFC
FPE Control/DSP Board S/N 6	3 days after delivery of last part by GSFC
FPE Control/DSP Board S/N 7	3 days after delivery of last part by GSFC
FPE Control/DSP Board S/N 8	3 days after delivery of last part by GSFC